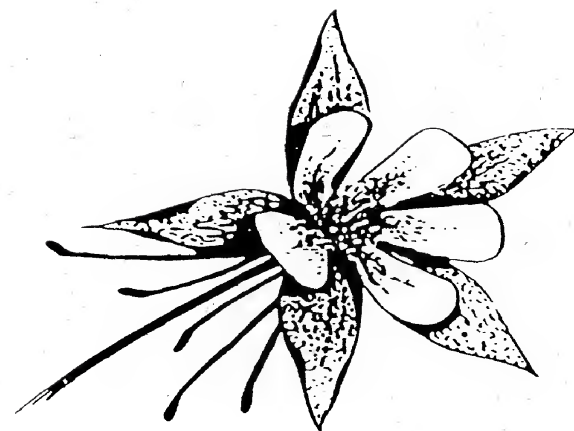


Aquilegia



Newsletter of the Colorado Native Plant Society

"... dedicated to the appreciation and conservation of the Colorado native flora"

Volume 26 Number 3 **LANDSCAPING WITH NATIVE PLANTS**

May - June 2002

CELEBRATING COLORADO'S NATURAL BEAUTY John Giordanengo, Horticulture & Restoration Committee

Colorado is blessed with some of the most beautiful wildflower displays in the country. One could only dream how grand it would be to create such beautiful floral displays right in your own backyard. Actually, more and more Colorado residents are making that dream a reality. Besides their aesthetic values, site adapted native plants can reduce water and fertilizer needs, have fewer pest problems, and provide better wildlife habitat than many of their horticultural relatives. Showcasing native plants in your landscape also celebrates our biological and cultural heritage. With the increase in native plant vendors over the past few years, finding native plants has become much easier. In fact, you may refer to the Native Plant Vendor List (www.conps.org), produced by CoNPS, to find a native plant supplier near you.

Landscaping with native plants is not necessarily equivalent to xeriscaping. According to Xeriscape Colorado, Inc. (www.xeriscape.org), the term xeriscape refers to landscapes that are designed for water conservation and beauty, and use low water-requiring plants. Many native plants require more water than is available from natural rainfall. For example, Colorado Columbine (*Aquilegia caerulea*) is a beautiful native, but when grown on the Front Range requires more water than the drought-adapted natives do. By utilizing the extra water near downspouts, and by planting in shady areas, many higher water use plants can be adapted to drier climates. Regardless of what plants you use, they will need some watering in the first year or two to get them well established by seed or from transplants.

Depending on where you live in Colorado, the site-specific environmental factors of your lot, and your overall landscaping plan, plant selection and establishment methods will vary greatly. Here are some valuable resources that will help make your native landscaping project a success.

Native Plants for Horticultural Use in Northern Colorado is published by CoNPS and available at www.conps.org.

The Prairie Garden: A step-by-step guide to creating a short-grass prairie garden. Authored by CoNPS member Rick

Brune, this publication is available for sale at CoNPS events.

Gardening with Natives. Authored by Dave Southerland (City of Boulder), this publication is available at <http://www.ci.boulder.co.us/openspace/nature/gardens/gardens.htm>

Native Plant Revegetation Guide for Colorado provides information on how to select, plant, and maintain Colorado native plant species for a wide range of landscaping, revegetation, and reclamation needs. To obtain a free guide, stop by the offices of Colorado State Parks at 1313 Sherman, Room 618, Denver, CO 80203 or send postage in the amount of \$2.20 (stamps only - no cash or checks) and a complete mailing label for each copy requested to the aforementioned address. Alternatively, you may download a copy at http://parks.state.co.us/cnap/Revegetation_Guide/Reveg_index.html.

Creating Native Landscapes in the Northern Great Plains and Rocky Mountains. A copy of this publication is available on request from the USDA Natural Resource Conservation Service, 10 E. Babcock, Rm. 443, Bozeman, MT 59715, (406) 587-6842 or via e-mail at mail@macdnet.org.

NOTE: Interest in native plant gardening is growing like a weed! This column marks the first in a series promoting the use of native plants in home landscapes, with an eye toward improving your chances for gardening success. If you have ideas, suggestions or would be willing to write an article, please contact Kathy Damas at knkdamas@mindspring.com or (303) 543-1492.

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COLORADO NATIVE PLANT SOCIETY FIELD TRIPS

Field Trip Committee — Gwen Kittel, Chairperson

Revegetation of Bent's Old Fort Historic Park

May 26, 2002 Sunday

Leader: Dexter Hess.

Come enjoy scenes from the past, successful tamarix removal, and revegetation with circa 1840 natives along the Arkansas River at Bent's Old Fort National Historic Park. This will be a full day field trip led by **Dexter Hess**. Meeting time and location will be mailed to registrants. An optional half-day excursion to nearby Boggsville, an early agricultural development, may also be possible. For more information and registration, please contact Dexter Hess at (719) 384-2464. This trip is limited to 15 people, so sign up early.

Beginner Wildflower Identification Hike

June 1, 2002 Saturday

Leaders: Gwen Kittel and Alice Guthrie

Join **Gwen Kittel** and **Alice Guthrie** for this Boulder County or City Open Space wildflower hike, which has been designed for beginners. Come learn to identify your favorite flowers! No experience necessary. Participants will learn some of the non-intimidating ways to key out flowers. This trip is limited to 15 people, so sign-up early. To register, please contact Gwen via e-mail (preferably) at gwen_kittel@NatureServe.org or by phone at (303) 258-0908. Meeting time and location will be mailed to registrants.

Post Fire Vegetation of Wild Basin

June 15, 2002 Saturday from 8:00 AM - 3:00 PM

Leader: Joyce Gellhorn

Come explore the fascinating revegetation of Wild Basin since the Ouzel fire in 1978, at which time **Joyce Gellhorn** began studying the vegetation of this area. One focus of her study has been to compare the growth of aspen suckers at the edge of the burned area to that of seedlings in more severely burned locations. Please register with Joyce by e-mail at jgellhorn@sprynet.com or by phone at (303) 442-8123. This trip is limited to 15 people; meeting time and location will be mailed to registrants.

Crested Butte Wildflower Festival

July 8-14, 2001

Visit Crested Butte for a week of botanical celebrations, including a wide variety of wildflower related events from wildflower photography to garden tours! Experience breathtaking mountain landscapes and magnificent native flora. For more information, visit www.visitcrestedbutte.com/wildflower or contact Michelle at (970) 349-2571.

Longmont's New Open Space

July 20, 2002 Saturday 10:00 AM - 2:00 PM

Leaders: Ann Henson and Dan Wolford

Visit Longmont's new Open Space purchases along the St. Vrain River. Led by **Ann Henson** and **Dan Wolford** (Superintendent of Open Space and Trails), we will explore three properties east of Longmont that are not yet open to the public. Dan will share with us the current uses of the properties and plans for the future. We will explore each area identifying plant communities — both native

and non-native. To conclude the afternoon, Dan will lead a discussion of reclamation and revegetation options available to the City. He would like participation from us on these topics! Please register with Ann Henson via e-mail at 2henson@concentric.net or (303) 772-8962. Directions and information will be mailed to registrants.

Elevational Transect of Willows

August 3, 2002 Saturday from 9:00 AM - 5:00 PM

Leader: Gwen Kittel

Learn to identify willows using vegetative characters alone. We will start on the plains and work our way up in to the subalpine by car, with some hiking. To register, please contact Gwen via e-mail (preferably) at gwen_kittel@NatureServe.org or by phone at (303) 258-0908. This trip is limited to 15 people; meeting time and location will be mailed to registrants.

Annual Middle St. Vrain Weed Survey Backpack Trip

Dates: Aug 24 - 25, 2002 Saturday and Sunday

Leader: Pat Butler

In partnership with the USFS and Colorado Mountain Club, we will backpack approximately five miles (1500 feet elevational gain) into the Middle St. Vrain Creek drainage in the Indian Peaks Wilderness to monitor and pull five existing stands of Canada thistle (*Brea arvensis*) and look for new infestations. After camping around 10,000 feet, we should have time to hike up to Gibraltar Lake and view the St. Vrain glaciers. On our way back, we will stop to remove weeds. The worst infestations occur near the parking lot, so anyone interested in meeting the group Sunday afternoon to help pull thistle is welcome! Join the fun and help remove this pest from the wilderness. This field trip is limited to ten people, so register early by calling Pat Butler at (303) 440-0586.



Brea arvensis

WILDFLOWER FESTIVAL:

June 15 - 16, 2002

Carol English, Lookout Mountain Nature Center

Celebrate spring and native wildflowers at Lookout Mountain Nature Center and Preserve's Wildflower Festival 2002! During the two day festival you can enjoy a wildflower hike, pick up a variety of native plant seedlings, native plant books, or a copy of *Gardening Colorado Style* for specified donations. You can also enjoy a guided wildflower hike, take part in an activity, learn about noxious weeds, and much more! Call (303) 526-0594 for more information. Registration is not required. The Festival runs both Saturday, June 15, 2002 and Sunday, June 16, 2002 from 10:00 AM - 4:00 PM.

FIELD TRIP POLICY

The Society wishes to remind field trip participants of the guidelines for participation on Society trips. By joining a CoNPS field trip, you indicate acceptance of these policies.

1. Plant collecting is forbidden on CoNPS field trips, with two exceptions. Collecting is permissible for scientific study (with the appropriate collecting permit, if required) by a trained botanist with the expectations that it will lead to publication and that collections will be deposited in a recognized, public herbarium.

A trip leader or other person whose responsibility is to instruct trip participants may collect plants for immediate demonstration, explanation, or identification. Such collecting should be done inconspicuously and with regard for any possible effect on the plant population. Rare, threatened, endangered, or sensitive species should never be collected for instructional purposes.

2. Car-pooling and ride-sharing are encouraged on CoNPS trips. All drivers who provide rides to others will graciously accept payment. Passengers should pay the driver at the conclusion of the trip (without being asked) as follows:

- 1 passenger, 5 cents per mile
- 2 passengers, 4 cents per mile
- 3 passengers, 3 cents per mile, etc.

3. Pets are not permitted on field trips. Pets trample plants, disturb wildlife, and may annoy other trip participants.

4. Field trips are designed primarily for adults, unless the trip description specifically states otherwise. Parents should consider the appropriateness of a given trip for children. If a child is brought, the parent assumes full responsibility for keeping the child under strict control to prevent his/her damaging or disturbing the flora or fauna, or becoming a burden to the group. No child unaccompanied by a parent is permitted.

5. CoNPS' expressed purpose is to promote appreciation and preservation of our flora. Take care not to damage the very features you have come to see and enjoy. Use photographs, sketches, or other methods of recording the plants that you see — do not pick plants or plant parts.

6. Field trip participants MUST sign a waiver of liability.

WELCOME NEW MEMBERS

Eric Lane, Membership

The Society is very pleased to welcome the following new members who joined CoNPS between February 16 and April 15, 2002:

Lewis H. Abrams, Karen Archey, Larry Arp, Robin Bingham, Judith L. Blair, Chonnie Bliss, Audrey Boag, City of Boulder Open Space, Dave Bradford, Marsha and Russ Coons, Kim Cornelisse, Pam Cornelisse, Sara L. Davis, Clay Elliott, Forest Frost, Chris Gayer, Donna Giannola, Dr. Kate Hart, David Hirt, Leslie Jordan, Elizabeth Klein, Julie A. E. Laufmann, Ellen A. Mayo, Amy Meketi, Ellen Pedersen, Cheryl Pieper, Phyllis M. Pineda, Chris Richards, Nicole Rousmanieve, Scott F. Smith, Paul Sparks, Anne Stanaway, and Kelly Uhing.

EDUCATION AND OUTREACH ACTIVITIES

Jill Handwerk and Alice Guthrie, CoNPS

In conjunction with the Horticulture and Restoration Committee and the Board of Directors, educational materials have been developed for distribution at outreach activities and as a service to members. These include *Defining Native Plant for Landscaping*, *Restoration & Revegetation*, *Native Plants for the Front Range*, and *The Problem of Invasive Horticultural Plants*; as well as a list of vendors for native plant materials. These can be downloaded at www.conps.org or ordered from CoNPS at POB 200, Fort Collins, CO 80522. A plains/foothills seed mix was also prepared by *Beauty Beyond Belief* for promotion of the Society at outreach activities.

The Education and Outreach Committee had a busy winter. In January, we had a booth at the ProGreen Expo in Denver. Numerous nurserymen, growers, and retailers stopped by, expressing interest in native plants. In March our exhibit was at Echter's "Echxpo," which was visited by several hundred consumers and plant lovers. We also had a display at the Greeley Home and Garden Show. In April, our display was at the Louisville Earth Day celebration, and in June we will be headed to Colorado Springs for Plant Conservation Day. Additionally, Jill Handwerk and Alice Guthrie developed a slide show "Gardening with Natives," which had its premier at the March meeting of the University Women's Garden Club in Boulder. The program was well received — several people became members on the spot.

The Committee needs slides of native plants (trees and shrubs, in particular) in urban settings to add to the slide show. If you have some you'd like to share, please contact Jill Handwerk or Alice Guthrie. We also need a 35mm slide projector. And volunteers are both welcome and needed to staff our booths. Special thanks to the following members for donating their time to our outreach activities: Dick and Marty Fisher, Sally Boyson, Jim and Vicki Trammell, Denise Larson, Sue Kamal, Caryl Shields, Laurie Deiter, Mary Damm, Loraine Yeatts, and Rick Brune.

INTERNATIONAL PLANT CONSERVATION DAY: 1 June, 2002

This unique event will bring together a variety of plant conservation organizations and public and private agencies, in what is hoped to be an annual event. This year, Plant Conservation Day is scheduled for June 1 at the Cheyenne Mountain Zoo in Colorado Springs. Participants are dedicated to heightening public awareness of what can be done to protect our natural surroundings. This event will feature booths and demonstrations from groups as diverse as the Colorado Springs' City Forestry Department, CoNPS, Denver Botanic Gardens, CSU Cooperative Extension, Colorado Springs Utilities, Clean Air Campaign, El Paso County Forestry and Noxious Weeds, The Nature Conservancy, and Starsmore Discovery Center. All visitors will be able to collect information from a variety of sources, while also being able to talk face-to-face with experts in regional plant conservation. There will also be "hands-on" activities for children, such as animal mask painting and a "Walk Like An Animal" parade. Additional information may be obtained by calling the Zoo at (719) 633-9925 ext. 111. If you would like to volunteer at the CoNPS booth, please contact Jill Handwerk at (970) 221-3460.

BCNA OFFERS CLASSES

Stephen Jones, BCNA

The Boulder County Nature Association (BCNA) is offering the following classes, for which there is a discount for BCNA members.

Nature Photography Field Class

Practice techniques for capturing stunning images of plants and wildlife in the Boulder Mountain Park and on Mount Evans in this BCNA field class. Instructor **John Weller** teaches for Yosemite's Ansel Adams Gallery and has exhibited in Boulder, New York, Minnesota, and California. The tuition for this class is \$95 (\$85 for BCNA members). To register, contact John at (303) 494-4268 or Johnweller@peakpeak.com.

Thursday, May 30, 7:00 - 9:00 PM

Saturday, June 1, 6:00 - 11:00 AM

Saturday, June 15, 5:00 AM - 1:00 PM

Butterfly Ecology and Photography

Observe and photograph butterflies in their natural habitats in the foothills and montane life zones. Learn about food plants, phenology, and life histories from instructor **Jan Chu** of BCNA. The tuition for this class is \$70 (\$60 BCNA Members). To register, contact Jan at (303) 494-1108 or chuhouse@hotmail.com.

Wednesday, June 26, 6:45 - 8:45 PM

Sunday, June 30, 9:30 AM - 2:30 PM

Sunday, July 21, 9:30 AM - 2:30 PM

Snowbank Mushroom Flora and Wildflowers

This seminar with **Vera Evenson** and **Joyce Gellhorn** will focus on interrelationships between fungi and higher plants in subalpine and alpine habitats, with an emphasis on communities surrounding melting snowbanks. Tuition is \$60 (\$50 BCNA members). To register, contact Joyce at (303) 442-8123 or jgellhorn@sprynet.com.

Monday, July 1, 6:30 - 9:00 PM

Tuesday, July 2, 8:00 am - 4:00 PM

Bat Ecology Field Class

University of Colorado ecologist **Toni Piaggio** will lead this workshop in the Boulder Mountain Park, using mist nets and bat detectors. Topics will include bat lifestyles, bat shapes, and bat research. The tuition for this class is \$40 (\$35 BCNA members). To register, contact Toni at (303) 583-0018 or batchaser1@Netscape.net.

Thursday, August 15, 7:00 - 8:30 PM

Saturday, August 17, 7:00 - 11:00 PM

ASPEN CENTER ANNOUNCES CLASSES

Rebecca Weiss, ACES

Tundra Wildflower Communities

July 8, 2002

8:00 AM - 4:30 PM

Explore the changing wildflowers, shrubs and trees of Independence Pass between the spruce-fir forest and the alpine tundra. This course, taught by **Dr. Richard Beidleman**, is a field introduction to the distinctive wildflower communities of the high Rockies from 10,500' elevation and up. Gain a new appreciation for mountain scenery as you discover the unique flora of the high peaks! Dr. Beidleman is Professor Emeritus at Colorado College,

Research Associate at the University of California Herbaria, and formerly on the faculty at Colorado State University and the University of Colorado.

Mountain Plant Identification

July 8 - 9, 2002

8:00 AM - 4:30 PM

Learn plant identification skills you'll keep for life from **Linda Beidleman**. This course is for individuals who want to learn more about the flora of the Rocky Mountains, but hesitate to delve into a field manual. Sharpen your observation skills as you learn the characteristics of the major plant families of the Rocky Mountains, and gain valuable experience using botanical keys to identify common species. As you investigate each plant's place in the surrounding ecosystem, gain a deeper appreciation of the wonderfully varied plant communities of the Rocky Mountains. Linda Beidleman has co-authored numerous winter bird population studies. A botanist, she has taught field classes for the Rocky Mountain Nature Association, University of California (Berkeley) Herbaria, and Colorado College. She is co-author of *Plants of the San Francisco Bay Region* and *Plants of Rocky Mountain National Park*.

Wildflowers of the Roaring Fork Valley

July 9, 2002

8:00 AM - 4:30 PM

Native wildflowers paint the meadows of the Roaring Fork Valley with a palette of summertime colors. Flowers such as scarlet gilia, lupine, and penstemon grow in abundance across the valley floor. In this introductory field course, participants will explore montane wildflowers and plants, in addition to learning how to recognize plant families with **Dr. Richard Beidleman**. You will come away with the basic skills to continue your own wildflower watching.

Tuition is \$50 per day for the above classes. University and teacher credit are available for Mountain Plant Identification. To register, call (970) 925-5756, visit www.aspennature.org, e-mail nfs@aspen-nature.org, or write 100 Puppy Smith Street, Aspen, CO 81611.

FIELD CLASSES AT RMBL

Plant-Animal Interactions

June 13 - July 13, 2002. Instructors: **Dr. Kristina Jones** (Harvard University) and **Jennifer Reithel** (University of California, Irvine). In this class we will design, execute, and analyze field experiments involving interactions between plants and animals, including pollination, herbivory, and seed dispersal. Each week will have a different theme, and include reading and discussing the primary literature for ideas. The final paper for the course will be in the form of a grant proposal by each student on a topic of their choice. Prerequisite: one year of college biology.

Field Botany

July 14 - August 10, 2002. Instructor: **Dr. George Weiblen** (University of Minnesota). The Rockies are a natural laboratory in which to studying flowering plant diversity across a range of environments. Field Botany focuses on identifying local flora, surveying plant communities, recognizing plant families, and learning field techniques for plant ecology and systematics. No prerequisites.

For more information, visit our website at www.rmbl.org or contact Ian Billick at director@rmbl.org or (970) 349-7231.

THE ECOLOGY OF MEDICINAL AND EDIBLE PLANTS AROUND BOULDER

✓ This class will be an enjoyable, outdoor introduction to plant identification and the homes (ecosystems) of our wildland medicinal and edible plants. Not only will instructor **Jane Bunin** identify plants, but she will teach participants how to identify plants for themselves. We will discuss how people, both indigenous and others, use and interact with certain plants and ecosystems. Participants will discover what kinds of ecosystems are preferred by specific medicinals/edibles and the patterns of ecosystems in the Boulder region. We will also become familiar with the close relatives (some poisonous) of certain medicinal and edible plants, as well as their family characteristics.

Dr. Jane Bunin loves to share her knowledge of plants and ecosystems. She has a Ph.D in Plant Ecology, teaches at Naropa University and the Rocky Mountain Center for Botanical Studies, is becoming certified as an Ayurvedic Educator at Alandi Ashram, and has been an ecological consultant in this region for over 30 years.

May 31, 2002, Friday from 7:00 – 9:00 PM (indoors only)

June 1, 2002, Saturday from 9:30 AM – 5:00 PM

June 2, 2002, Sunday from 9:30 AM – 5:00 PM

Friday and Saturday can be taken without Sunday, space permitting.

Registration for the weekend is \$200 — \$100, if through Saturday only. To register, please call Alandi Ashram at (303) 786-7437.

AN ADVENTURE IN WILDFLOWERS

Dick Moseley, Colorado Trail Foundation

✓ Many of us have been in the sub-alpine and alpine meadows when they are blooming in their full glory. The myriad of flowers may often enhance our appreciation of the mountains of Colorado but, at the same time, give us fits while trying to identify all of the flowers adorning these meadows. The mystery of what flower this or that is gives us an opportunity to have an adventure in discovering its identity. Those darn yellow composites (DYC's, as some call them) often give us the most trouble, but can also be the most fun when being a wildflower detective looking for clues that can help you solve the mystery of what plant is before you. If you have ever found yourself thumbing through field guides and still having doubts with regard to the flower in front of you, then a Colorado Trail Foundation's (CTF) wildflower class is for you.

The **Colorado Trail Foundation** offers two one-week classes in wildflower identification at their CTF Education Center, located on the Alpine Scenic By-Way, northwest of Lake City. Classes include field trips to the incredible wildflower areas of American Basin, Cinnamon Pass, Grizzly Gulch, and Burroughs Park located near the Center, thereby providing students with a diversity of habitats and plants. Last year while in the beautiful San Juan Mountains, classes identified 181 species of plants. For many students, the week was a magical time in the mountains, giving them the confidence to identify the plants before them.

✓ Classes are being offered July 21 - 27 and July 28 - August 3, 2002. For more information and to register, contact Gudy Gaskill at (303) 526-2721 or gudyct@ecentral.com or Charlotte Briber at (303) 526-0809.

SALES OF NEW WILDFLOWER CD BENEFITS CONPS!!!

Gay Austin, Plateau Chapter

Many years ago Al Schneider, a volunteer for the San Juan National Forest Visitor Information Services Center, began to photograph native wildflowers in the southwest. He created a website, www.swcoloradowildflowers.com as part of the project and recently finished a wildflower CD (computer disc). Mr. Schneider is offering CoNPS members the opportunity to purchase this CD for \$14.42, which includes shipping and handling. Mr. Schneider will donate \$5 to CoNPS from every CD purchased by members!

The CD contains 50 gorgeous low and high resolution photographs of wildflowers from the San Juan National Forest, Mesa Verde National Park, Canyonlands National Park, Canyons of the Ancients National Monument, and other areas of the Four Corners region. The photographs can be used to create stationery, screen savers, greeting cards, etc. or just enjoyed for their beauty. The CD requires no installation, is Mac and IBM compatible, and is easy to use.

For more information, contact Al Schneider via e-mail at albetty@fone.net or by phone at (970) 882-4647. To purchase a copy of the CD and have Mr. Schneider donate \$5 to CoNPS, mention that you are a CoNPS member and mail \$14.00 plus 42 cents tax for Colorado residents to: Four Corners Wildflowers, 19049 County Road V, Lewis, Colorado 81327.

RARE PLANTS AND POLLINATORS: Volunteers Needed

Susan Spackman, CNHP

Volunteers are needed in June 2002 to assist with a pollination ecology study in the Arkansas River Valley of central and southeastern Colorado. Research will assess the role of pollinators in the ecological needs of three plant species known only from this area and nowhere else in the world: Degener beardtongue (*Penstemon degeneri*), Arkansas Valley evening primrose (*Oenothera harringtonii*), and Round-leaf four-o'clock (*Oxybaphus rotundifolius*). Preference will be given to volunteers who can commit to three or more days in the field. Good physical condition supporting an average of two miles of hiking per day will be required. For more information please write to:

Susan Spackman, Botanist (spack@lamar.colostate.edu)

Colorado Natural Heritage Program

254 General Services Building, Colorado State University

Fort Collins, CO 80523

DEADLINE APPROACHES

Submit *Aquilegia* Contributions by June 15, 2002

Submit contributions for Vol. 26 No. 4 of *Aquilegia* on or before June 15, 2002. Articles not exceeding 1000 words are especially welcome. Previously published articles submitted for reprinting require permission. Include author's name, address, and affiliation; anonymity may be requested. Follow the format from previous issues closely. Spell check. Submit via e-mail or on disks — MAC, preferably — as an MS Word or rtf (rich text format) document.

CHAPTER NEWS

Boulder Chapter

Monthly meetings are held on the second Thursday of the month from September through April. For information, contact President Kathy Damas at (303) 543-1492.

Fort Collins Chapter

Monthly meetings are scheduled October through April. For information, contact Chapter President Annette Miller at (970) 482-3063 or almiller@lamar.colostate.edu.

Metro-Denver Chapter

Monthly meetings are held from September through April. For information, contact President Denise Larson at (303) 733-4338.

June 8, 2002 Saturday at 8:30 AM
Denver Chapter Cherry Creek Weed Pull
 The Denver Chapter will again be pulling weeds along a section of Cherry Creek, repeating last year's successful weed pull. Patches of native vegetation survive in this area, although they are threatened by knapweed, leafy spurge, and other noxious weeds. Meet at 8:30 AM in the parking lot at Cook Park (between Monaco and Quebec, south of Cherry Creek Drive South). This activity should last a few hours, with cold beverages being provided. Call Denise Larson at (303) 733-4338 for information.

Plateau Chapter

Chapter activities are scheduled throughout the year. For more information, contact Chapter President Jeanne Wenger at (970) 256-9227 and Bluecrow2u@aol.com or Program Chair Lori Brummer at (970) 641-3561 and lbrummer@gunnison.com.

May 18 - 19 Saturday and Sunday Grand Junction Gunnison Bluffs Field Trip and CoNPS Board Meeting

Jeanne Wenger will lead the trip on Saturday into the Gunnison Bluffs. Meet at 9:30 AM at the CDOT Park and Ride south of Grand Junction. This is located across Hwy 50, where Hwy 141 heads east to Clifton, about one mile north of Whitewater on Hwy 50. The Park and Ride is on the west side of the road. The Board meeting will take place at 9:00 AM Sunday in the Building B cafeteria on the UTEC Campus

at 2508 Blichmann Ave., Grand Junction. Please contact Jeanne Wenger at (970) 256-9227 or Bluecrow2u@aol.com or Gay Austin at austinaceae@frontier.net or (970) 641-6264 for more information.

May 31 - June 1 Friday and Saturday
Xeriscaping with a Native Plant Emphasis
 CoNPS will partner with the Botanical Garden and Grand Junction Garden Club to sponsor Jim Knopf, author of *The Xeriscape Flower Gardener*, for a presentation at Mesa State College (Saccamano Lecture Hall) at 7:00 PM on Friday and a garden tour on Saturday. Cost: \$5 Friday and \$10 Saturday. Contact Gay Austin at (970) 641-6264 or austinaceae@frontier.net to register.

June 8, 2002 Saturday
Mt. Callahan
 This field trip, which is being planned with an eye toward beginners, will take place near Grand Junction. It is weather and plant dependent; so if it's a late spring, we'll have to delay this outing. Contact Jeanne Wenger at (970) 256-9227 or Bluecrow2u@aol.com for details.

June 29 Saturday from 10:00 AM to 4:30 PM
Grizzly Creek Field Trip
 Peggy Lyon will lead this field trip just east of Glenwood Springs. There is some uphill hiking involved. Bring a lunch, water, and optional hand lens. Beginners welcome! Contact Peggy Lyon at peglyon@ocinet.net or (970) 626-3195 to let her know you're coming and for directions.

July 20 - 21 Saturday and Sunday at 9:00 AM
Gunnison CO High Altitude Field Studies
 Saturday will be a continuation of last summer's efforts to document populations of two Colorado endemics, *Astragalus molybdenus* (Leadville milkvetch) and *Physaria alpina* (alpine bladderpod) in Gunnison County. This trip will focus on the Cumberland Pass area. Sunday will be a general alpine flora and lichen day. Botanists of all levels welcome both days! To carpool, meet at the City Market parking lot in Gunnison at 9:00 AM both Saturday and Sunday, or at the top of Cumberland Pass at 10:30 AM. Contact Lori Brummer at (970) 641-3561 or lbrummer@gunnison.com for more information.

Southeast Chapter

Activities for the Southeast Chapter are scheduled throughout the year. For more information, contact President Dan Fosha at (719) 572-6972 or danfosha@aol.com.

May 29, 2002 Wednesday at 7:00 PM
Plants of the Arkansas River Valley Barrens
Tass Kelso (Professor, Colorado College) will discuss the ecology of rare and endemic plants of the Arkansas River Valley barrens. This meeting will be held at the Beidleman Environmental Center located at 740 W. Caramillo St. in Colorado Springs. For information, call (719) 572-6972.

Southwest Chapter

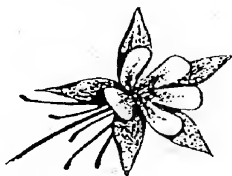
For information about the Southwest Chapter, contact Chapter President Sandy Friedley at (970) 884-9245 or friedley@frontier.net.

June 8, 2002 Saturday
Flora of Upper Piedra River Drainage
Dick Moseley and Charlie King have invited us to tour the plant communities occurring on the slopes above the Piedra drainage. Unique geology, orchids, and possibly ice caves are on the agenda. Contact Charlie at (970) 731-4794 or Dick at (970) 731-5918 for more information.

July 14, 2002 Sunday at 10:00 AM
Flora Explora
Lynn Moore, local botanist noted for her floristic work on the the upper Dolores River and the Los Pinos River Drainage, has offered to lead this trip into the Coal Bank Pass vicinity. Dependent on weather and what's flowering, we may head up to West Lime Creek or Andrews lake. Meet at the Main Gate of Durango Mountain Resort at 10:00 AM. Contact Sandy at (970) 884-9245 for more information.

August 3, 2002 Saturday at 10:00 AM
American Basin and Cinnamon Pass
Dick Moseley will lead this trip exploring the wildflowers of American Basin. Meet at the trailhead for an opportunity to see the gentians, columbines, and other wonders that make this area so spectacular. After lunch, we'll head up to Cinnamon Pass to explore alpine communities and possibly some unique wetlands. Contact Dick at (970) 731-5918 for more information.

Colorado Native Plant Society



The Colorado Native Plant Society is a non-profit organization dedicated to the appreciation and conservation of the Colorado native flora. Membership is open to all with an interest in our native plants, and is composed of plant enthusiasts both professional and non-professional.

Please join us in helping to encourage interest in enjoying and protecting Colorado's native plants. The Society sponsors field trips, workshops, and other activities through local chapters and statewide. Contact the Society, a chapter representative, or committee chair for more information.

Schedule of Membership Fees

Life	\$250
Supporting	\$50
Organization or Corporate	\$30
Family or Dual	\$20
Individual	\$15
Student or Senior	\$8

Membership Renewal/Information

Please direct all membership applications, renewals, and address changes to the Eric Lane (Chair of Membership), Colorado Native Plant Society, P.O. Box 200, Fort Collins, CO 80522. Please direct all other inquiries regarding the Society to the Secretary at the same address.

Aquilegia

Aquilegia is published four or more times per year by the Colorado Native Plant Society. This newsletter is available to members of the Society and to others with an interest in native plants. Articles for *Aquilegia* may be used by other native plant societies or non-profit groups, if fully cited to author and attributed to *Aquilegia*.

Articles not exceeding 2000 words in length and shorter items fewer than 500 words in length, such as unusual information about a plant, are especially welcome. Previously published articles submitted for reprinting require permission. Camera-ready line art or other illustrations are also solicited. Please include author's name and address, although anonymity may be requested. Articles submitted via e-mail or on disks (MAC preferably, or IBM) are appreciated. Please indicate word processing software and version; if possible, submit as an RTF (rich text format) file.

Please direct all contributions to the newsletter to:

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Biology, Campus Box 171
University of Colorado at Denver
P.O. Box 173364
Denver, CO 80217-3364
E-Mail: lbruederle@earthlink.net

Officers

President	Jill Handwerk .. 970-491-5857
Vice-President ..	David Anderson .. 970-484-0774
Secretary	Alice Guthrie .. 303-651-3127
Treasurer	Georgia Doyle .. 970-491-6477

Board of Directors

Jill Handwerk (03) ..	Fort Collins ..	970-491-5857
Sue Kamal (03)	Greeley	970-353-9240
Andy Kratz (03)	Lakewood	303-914-8291
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David Anderson (02)	Fort Collins ..	970-484-0774
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Gwen Kittel (02) ...	Boulder	303-258-0908
Laurel Potts (02) ...	Fort Collins ..	970-625-4769
Neil Snow (02)	Greeley	970-330-4823

Chapter Presidents

Boulder	Kathy Damas	303-543-1492
Fort Collins	Annette Miller ..	970-495-3240
Metro-Denver ..	Denise Larson ..	303-733-4338
Plateau	Jeanne Wenger ..	970-256-9227
Southeast	Dan Fosha	719-572-6972
Southwest	Sandy Friedley ..	970-884-9245

Standing Committees and Chairs

Conservation ..	Joe Rocchio	720-494-0876
Education and ..	Jill Handwerk	970-491-5857
Outreach	and Alice Guthrie ..	303-651-3127
Field Studies ..	Neil Snow	970-330-4823
Field Trips	Gwen Kittel	303-258-0908
Finance	Denise Culver ..	970-225-1930
.....	and Georgia Doyle ..	970-491-6477
Horticulture and	Kathy Damas	303-543-1492
Restoration ..	and Lisa Tasker ..	970-544-3633
Membership ..	Eric Lane	303-239-4182
Newsletter	Leo P. Bruederle ..	303-556-3419
Sales	Ann Armstrong ..	720-564-2052
.....	Sue Kamal	970-353-9240
.....	and Laurel Potts ..	970-625-4769
Rare Plant	Eleanor	
Monograph ..	Von Barga	303-756-1400
Research Grants	Neil Snow	970-330-4823
Website	Bob Clarke	970-242-6067
Workshop: East ..	Bill Jennings ..	303-666-8348
West	Gay Austin	970-641-6264

MEMBERSHIP APPLICATION AND RENEWAL FORM

Name(s) _____

Address _____

(Address) _____

City _____ State _____ Zip _____

Phone () _____ E-mail _____

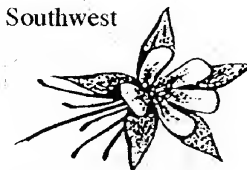
Chapter: ☐ Boulder ☐ Fort Collins ☐ Metro Denver ☐ Plateau ☐ Southeast ☐ Southwest

In addition to my membership, I have included \$_____ as a contribution to the John Marr Fund (endowment in support of small grants-in-aid of research), \$_____ as a contribution to the Myrna P. Steinkamp Memorial Fund (endowment in support of small grants-in-aid of research), or \$_____ as a general contribution to the Society.

MEMBERSHIP CLASS:

Dues cover one calendar year.

- ☐ Individual, \$15.00
- ☐ Family/dual, \$20.00
- ☐ Senior, \$8.00
- ☐ Student, \$8.00
- ☐ Corporate, \$30.00
- ☐ Supporting, \$50.00
- ☐ Lifetime, \$250.00



CoNPS IS A NON-PROFIT ORGANIZATION — DUES AND CONTRIBUTIONS ARE TAX-DEDUCTIBLE

CALENDAR

CHAPTER EVENTS

- Metro-Denver Chapter**
- June 8 Cherry Creek Weed Pull
- Plateau Chapter**
- May 31 - June 1 Xeriscaping with a Native Plant Emphasis
- June 8 Mt. Callahan Field Trip
- June 29 Grizzly Creek Field Trip
- July 20 - 21 Gunnison High Altitude Field Studies

Southeast Chapter

- May 29 Arkansas River Valley Barrens

Southwest Chapter

- June 8 Flora of the Upper Piedra River
- June 14 Flora Explora
- August 3 American Basin and Cinnamon Pass

SOCIETY EVENTS

- Board Meeting**
- May 19 Grand Junction, CO

FIELD TRIPS

- May 26 Revegetation of Bent's Old Fort
- June 1 Beginner Wildflower Identification
- June 15 Post Fire Vegetation of Wild Basin
- July 20 Longmont's New Open Space
- August 3 Elevational Transect of Willows
- August 24 - 25 Middle St Vrain Weed Pull & Backpack

CoNPS 2002 ANNUAL MEETING

Bring your swimsuit and come to the Society's Annual Meeting in Glenwood Springs from **September 20 - 22!** The focus of this meeting will be "Rare Plants, Communities & Lichens - Threats & Conservation," with a variety of speakers. We'll begin Friday evening with a reception at the Hot Springs Pool, followed by an all day conference on Saturday at which a large selection of books will be available for purchase. Topics for Saturday's conference will include rare plant protection and threats; pollination and reproductive biology; Colorado fens; lichens on gypsiferous soils; nursery propagation of rare plants; and plants of concern in the Roaring Fork Valley. Field trips on Sunday include a visit to a native plant nursery and restoration company, a lichen survey on gypsiferous soils, and a wildflower walk. Look for more details and registration materials in the July *Aquilegia*. See you there!



Colorado Native Plant Society
P.O. Box 200
Fort Collins, Colorado 80522
<http://www.conps.org>

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Here



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